

# Houston Pilots Forecast Package



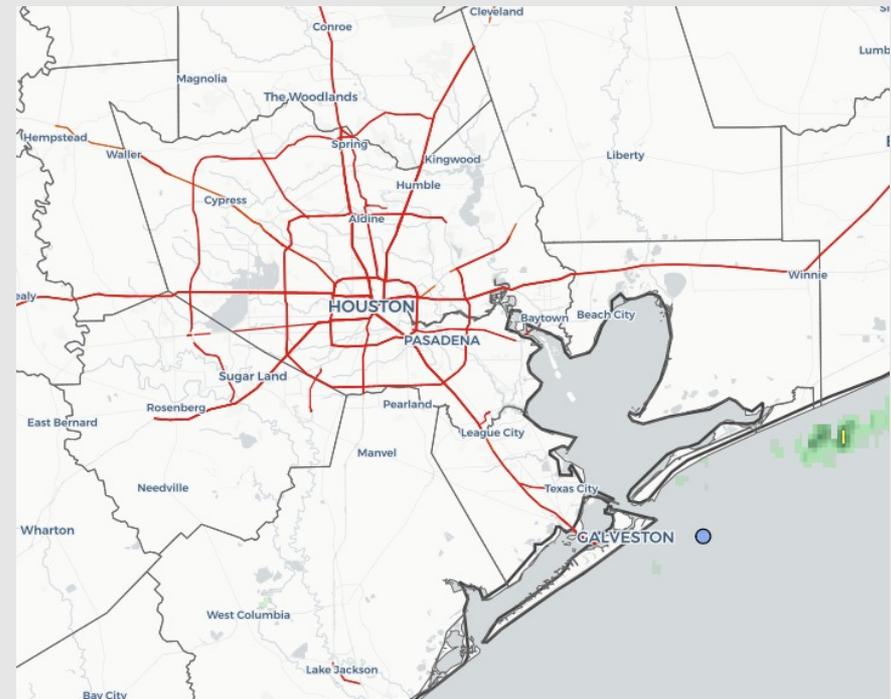
Updated: 2:00 PM CT

Wednesday, December 8, 2021

Forecaster: Vince Bryan

## Weather Headlines

- Minor precip chances will continue the next few days as the flow is a bit more favorable for pockets of on/off scattered light rain showers.
- Watching the next few morning's for fog potential (especially for southerly stations)
- Continuing to watch for the next cold front to sweep through the area on Saturday AM and bring better chances for showers/thunderstorms.



**Radar/ NWS Alerts: 2:00 PM CT**

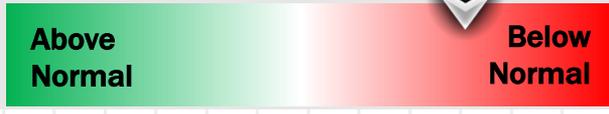


As always, please do not hesitate to reach out to us with any forecast questions via the chat option on the Weather Porthole or our on-call number, **(317)-560-8122** press 1 for forecast questions.

# Houston Pilots Visibility Report



## Confidence



Time	12-09-2021 Thu 12pm	12-09-2021 Thu 1pm	12-09-2021 Thu 2pm	12-09-2021 Thu 3pm	12-09-2021 Thu 4pm	12-09-2021 Thu 5pm	12-09-2021 Thu 6pm	12-09-2021 Thu 7pm	12-09-2021 Thu 8pm	12-09-2021 Thu 9pm	12-09-2021 Thu 10pm	12-09-2021 Thu 11pm	12-10-2021 Fri 12am	12-10-2021 Fri 1am	12-10-2021 Fri 2am	12-10-2021 Fri 3am	12-10-2021 Fri 4am	12-10-2021 Fri 5am	12-10-2021 Fri 6am	12-10-2021 Fri 7am	12-10-2021 Fri 8am	12-10-2021 Fri 9am	12-10-2021 Fri 10am	12-10-2021 Fri 11am	12-10-2021 Fri 12pm	12-10-2021 Fri 1pm	12-10-2021 Fri 2pm	12-10-2021 Fri 3pm	12-10-2021 Fri 4pm	12-10-2021 Fri 5pm	12-10-2021 Fri 6pm	12-10-2021 Fri 7pm	12-10-2021 Fri 8pm	12-10-2021 Fri 9pm	12-10-2021 Fri 10pm	12-10-2021 Fri 11pm		
Houston Pilots N - 610 Bridge	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.038	9.038	10.000	10.000	8.988	8.988	8.988	6.964	6.513	6.964	8.701	10.000	10.000	10.000	10.000	10.000	9.033	6.930	6.885	6.930	6.603	6.514	4.897	4.897		
Houston Pilots M - Kinder 1	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.038	9.038	10.000	10.000	8.988	8.988	8.988	7.212	6.513	7.462	8.701	10.000	10.000	10.000	10.000	10.000	9.033	7.449	6.885	7.449	6.745	6.745	5.983	5.983		
Houston Pilots L - Greens Bayou	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.038	9.038	10.000	10.000	9.779	9.779	9.779	7.573	7.035	8.017	9.033	10.000	10.000	10.000	10.000	10.000	9.768	8.146	7.752	8.146	7.752	7.752	7.325	7.325		
Houston Pilots K - Shell Crude	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.038	9.038	10.000	10.000	8.988	8.988	8.988	8.033	8.033	8.783	9.033	10.000	10.000	10.000	10.000	10.000	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	
Houston Pilots J - Lynchburg Ferries	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.038	9.038	10.000	10.000	9.230	9.230	9.230	8.033	8.033	8.783	9.033	10.000	10.000	10.000	10.000	10.000	10.000	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033
Houston Pilots I - Exxon 3	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.038	9.038	10.000	10.000	8.988	8.988	8.988	8.033	8.033	8.783	9.033	10.000	10.000	10.000	10.000	10.000	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033
Houston Pilots H - Morgans Point	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.038	9.038	10.000	10.000	8.988	8.988	8.988	8.033	8.033	8.885	9.033	10.000	10.000	10.000	10.000	10.000	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033
Houston Pilots G - 75/76	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.038	9.038	10.000	10.000	8.988	8.988	8.988	8.033	8.033	8.885	9.033	10.000	10.000	10.000	10.000	10.000	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033
Houston Pilots F - 63/64	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.038	9.038	10.000	10.000	8.988	8.988	8.988	8.033	8.033	8.885	9.033	10.000	10.000	10.000	10.000	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033
Houston Pilots E - 51/52	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.470	9.038	9.622	8.726	8.726	9.089	8.726	8.709	8.709	8.709	8.033	8.033	8.885	9.033	9.087	9.469	10.000	10.000	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033
Houston Pilots D - 37/38	10.000	10.000	10.000	10.000	10.000	10.000	9.945	9.850	9.611	7.702	7.702	7.702	7.702	7.702	7.702	7.702	8.033	8.033	8.033	8.033	8.033	8.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	8.946	7.999	7.999	9.012	9.033	9.033	
Houston Pilots C - 25/26	10.000	10.000	10.000	10.000	10.000	9.038	9.038	9.038	6.938	5.983	6.890	6.890	6.890	6.890	6.890	6.809	8.033	8.033	8.033	8.033	8.033	8.964	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	9.033	7.999	7.999	7.999	9.033	9.033
Houston Pilots B - 11/12	10.000	9.085	9.456	10.000	8.461	7.924	7.373	6.935	6.938	5.983	5.983	6.890	6.890	5.977	6.890	5.936	8.033	8.033	8.033	8.033	8.033	8.033	7.999	9.033	9.033	9.033	9.033	9.033	9.033	8.883	8.849	7.999	7.999	7.999	7.999	7.999	8.849	
Houston Pilots A - 1 & 2 Bravo	7.256	7.924	8.426	7.924	7.102	7.924	6.378	7.603	6.890	5.936	4.902	4.902	4.902	4.902	4.902	4.902	8.033	8.033	8.033	8.033	8.033	8.033	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	7.999	

Refer to the visibility slide below for more details

# Houston Pilots Extended Range Visibility Report



## Sunday, 12/12/21

Winds look to still be elevated out of the NE for Sun AM. Currently not anticipating fog for our stations on Sun.



## Monday, 12/13/21

Keeping an eye on Mon AM as winds look calmer and out of the east for our stations. However currently not anticipating fog for our stations on Mon.



## Tuesday, 12/14/21

Similar to Monday, fog potential needs watched. Model data is not showing anything at this time, however given onshore flow, we need to at least keep a watch for any potential sea fog



### Daily Fog Chance

Sunday AM	Unlikely
Monday AM	Possible
Tuesday AM	Possible

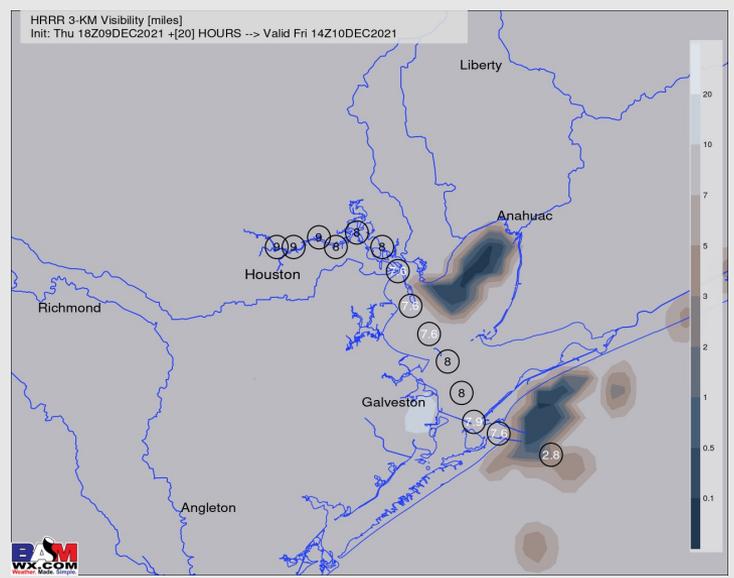
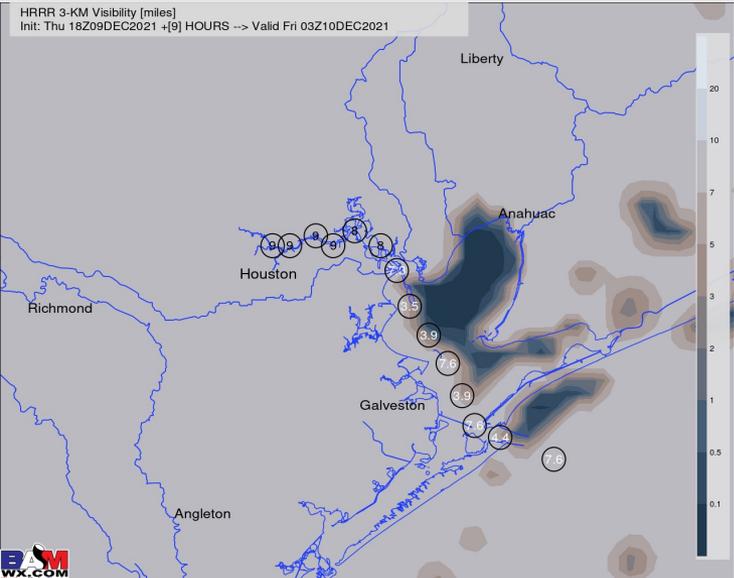
# Houston Pilots Visibility Report



## 9 PM CT THU Visibility (miles)

## 9 AM CT FRI Visibility (miles)

## Confidence



**Reduced Visibility Threat**  
 10 PM THU – 9 AM FRI **Medium**

- A very tricky forecast for the rest of the evening/ overnight hours as there are some conflicting signals for reduced visibility potential.
- Confidence remains very low on exact specifics and we will need an evening update. Currently we believe that visibilities will be rather variable for the stations throughout the evening/overnight hours. Latest hi-res data + slightly elevated winds both suggest that any reduced visibilities will not be persistent and not be consistently dense.
- We think reduced visibility could come in the form of both **\*\*patchy\*\*** fog and just a lower cloud deck as we've seen in spots throughout the day.
- Given how data has handled timing somewhat poorly as of late, lower confidence exists on timing as well. At the moment, we favor ongoing reduced visibility to be possible for some stations south of Morgan's Point. Latest observations are showing quite the variability in visibility which we think can continue out through ~9-10 AM tomorrow. If there's an area most likely to see more persistent lower visibilities, it is for stations south of 37/38.

## Forecast Discussion

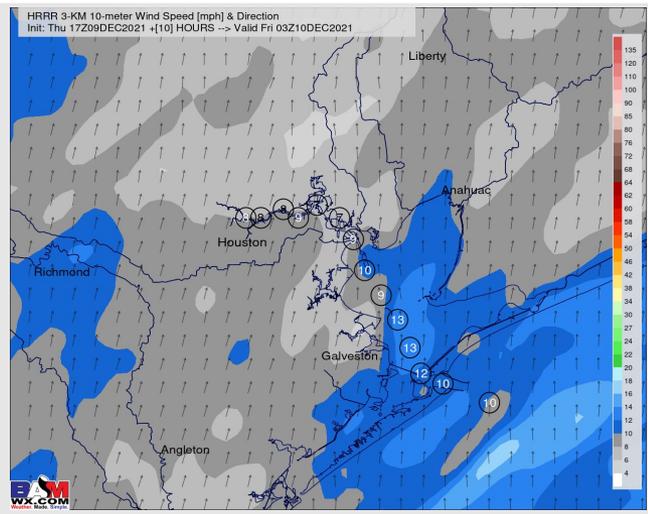
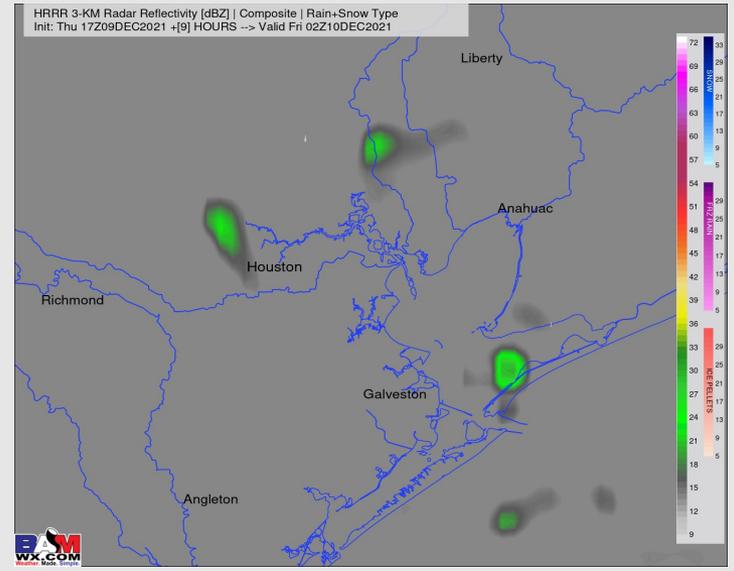
**Precip:** A few isolated pockets of drizzle/mist will continue to be possible through the evening. Coverage is expected to remain isolated and most likely stay dry, however the low end threat certainly needs kept in the forecast.

**Wind:** Sustained winds look to be 8-13 MPH with some gusts to 18 MPH for the rest of the day at the boarding station (best chances of the higher end of the range of winds comes after sundown). Winds will generally continue coming out of the S/SSW.

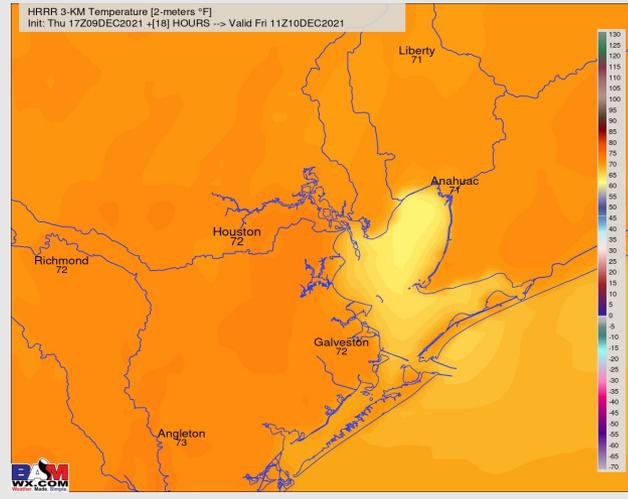
**Temps:** Lows tonight will not drop back all that far, likely falling into the lower 70s.

**Visibility:** Check the slide above for more details .

## Precip Forecast: 8 PM CT



Wind Speed  
9 PM CT



Low Temps

# Houston Pilots: *Fri. 12/10/2021*



## Forecast Discussion

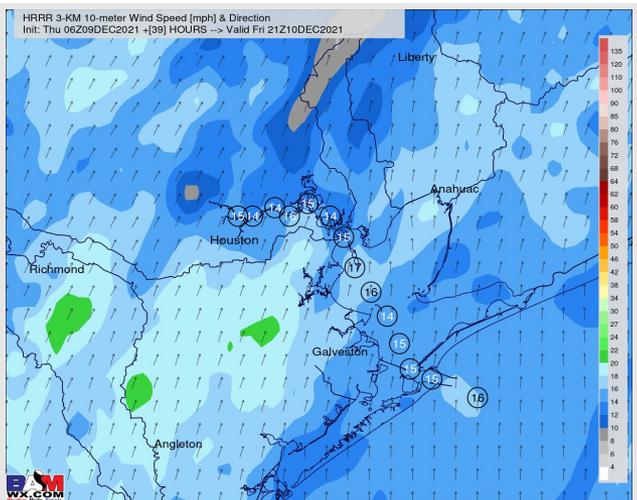
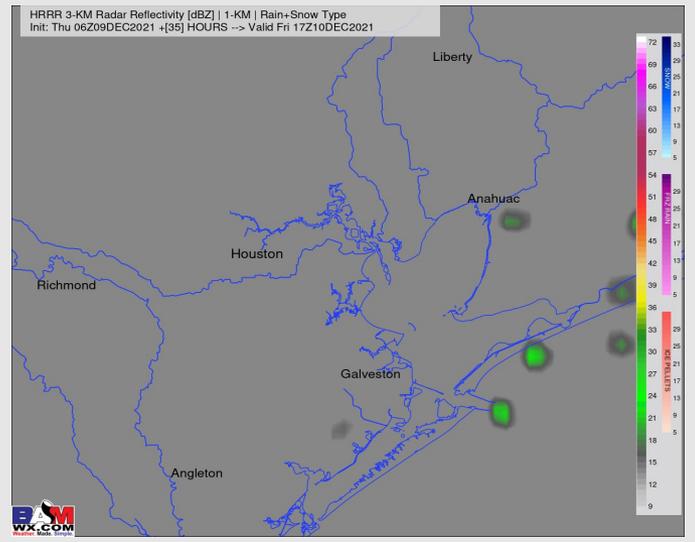
**Precip:** A 20-30% chance of a few isolated areas of drizzle/ very light rain will be possible out through the early PM hours on Fri for our stations. Coverage would be rather spotty and intensity is favored to be quite light.

**Wind:** Sustained winds 10-15 MPH with a few gusts to 20 MPH look possible for most of the day coming from the SSW. By ~Noon, winds look to pick up to around 13-18 MPH sustained at the boarding station with gusts to 23 MPH possible for the afternoon. Winds look to start calming down closer to midnight out ahead of the next cold front.

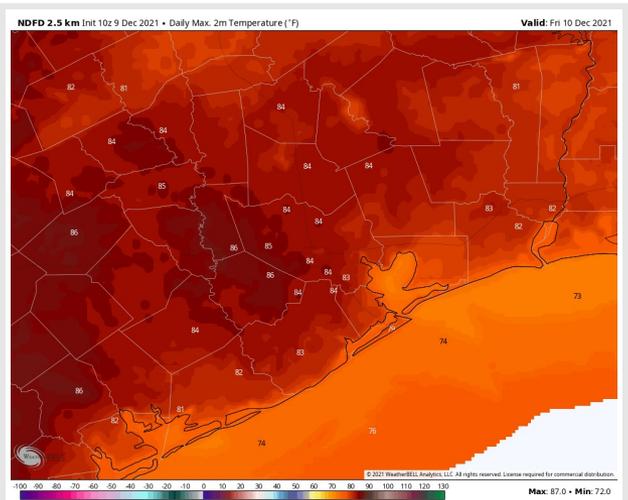
**Temps:** High temperatures Fri look to be in the upper 70s to low 80s F.

**Visibility:** Check visibility slide above for more details.

## Precip Forecast: 12 PM CT



Wind Speed:  
10 AM CT



High Temps  
Friday

# Houston Pilots: Sat. 12/11/2021



## Forecast Discussion

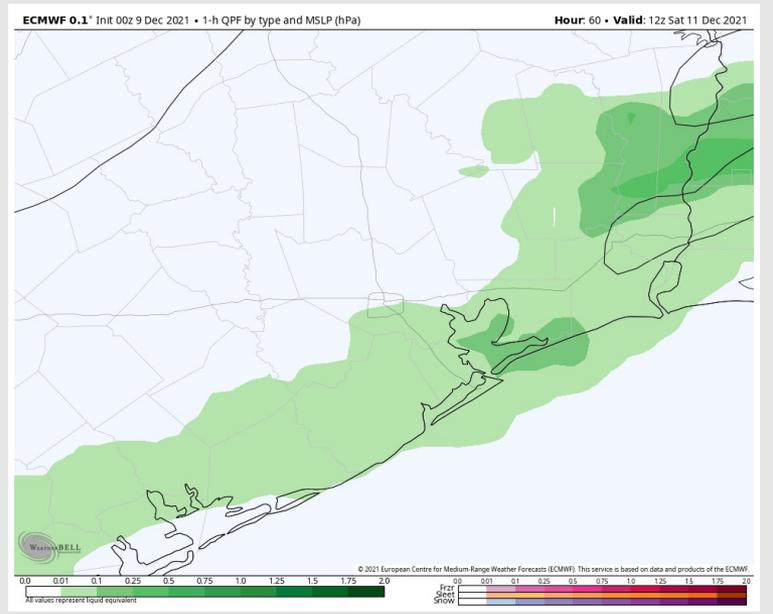
**Precip:** A cold front will be the primary precipitation focus that could bring a few thunderstorms with it. Currently eyeing the 4 – 7 AM window for this front to move through. A period of to heavy rain, lightning, and briefly gusty winds will all be possible. Once this moves through, the rest of the day is favored to stay on the quiet side

**Wind:** Winds will turn from SW to NW in that 4 – 7 AM window and also increase. As the front passes, any cells hold the potential for wind gusts to ~30 MPH. Once the front passes, a sustained wind at the boarding station of 23 – 28 MPH with gusts 28 – 33 MPH will be possible the rest of the day.

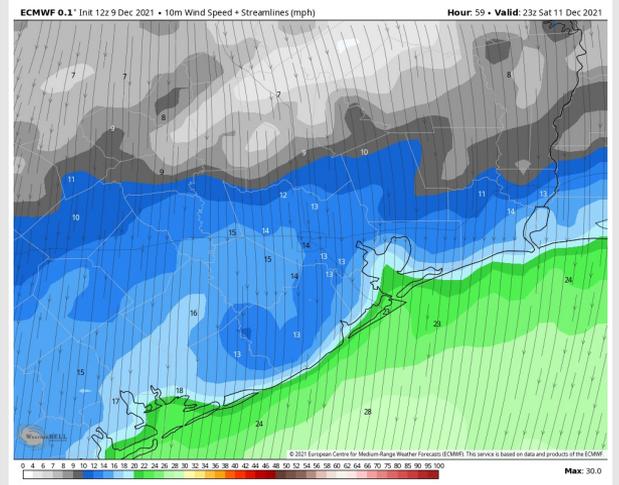
**Temps:** Highs will be reached in the AM hours before a cold front cools things off. Afternoon temps likely only sit in the lower 60s.

**Visibility:** Fog for stations S of Morgan’s point before the front cannot be ruled out. Once the front passes, the fog threat will be taken away

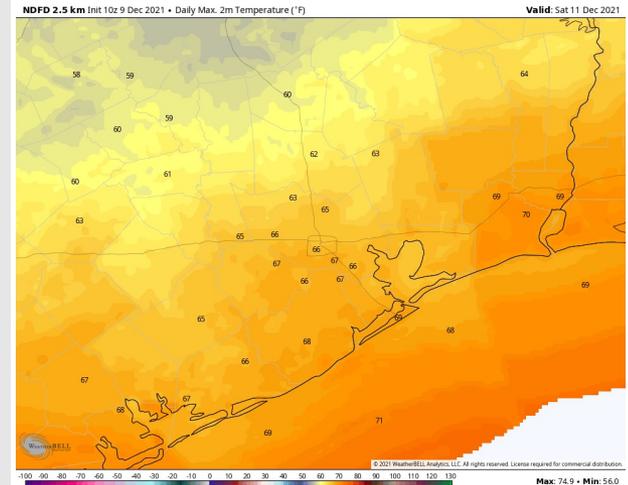
## Precip Forecast: 6 AM CT



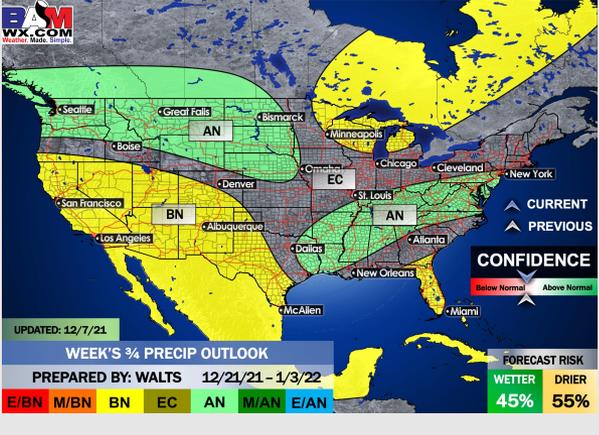
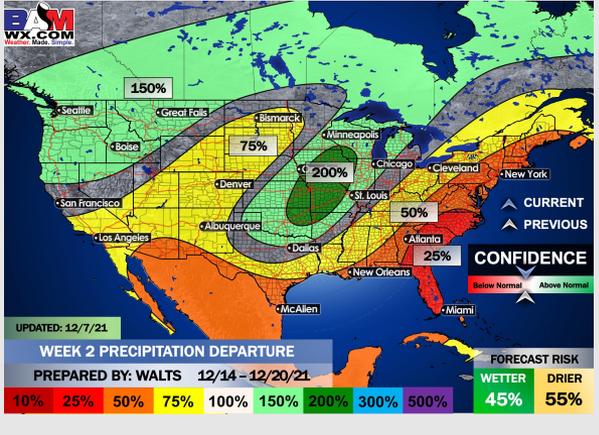
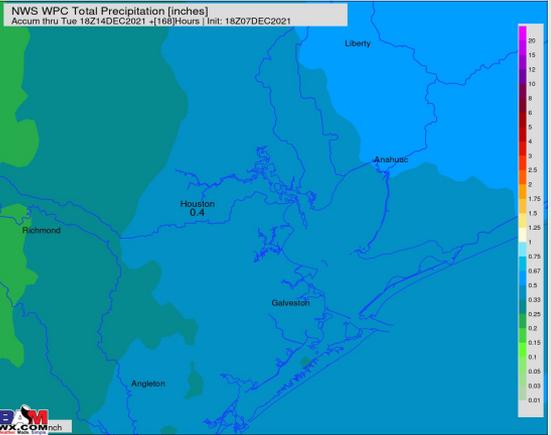
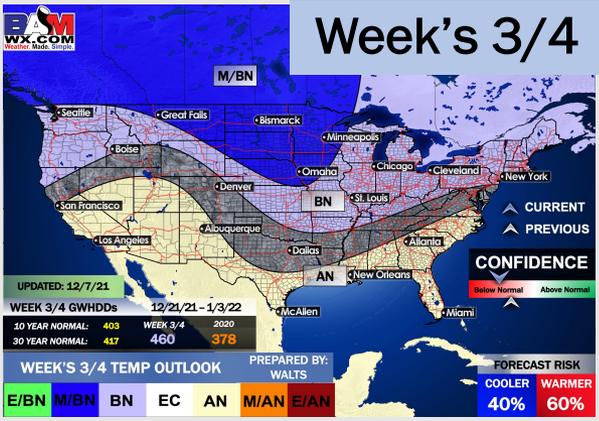
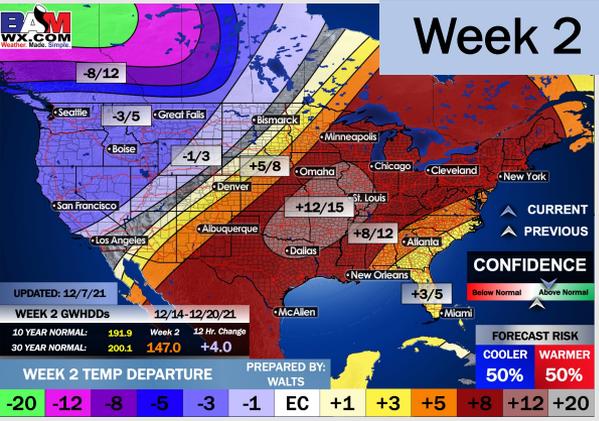
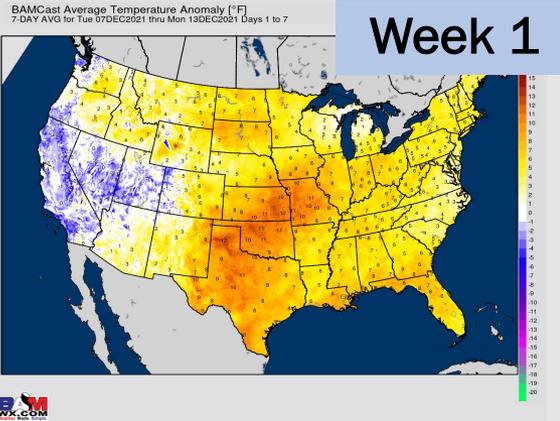
Wind Speed  
5 PM CT



High Temps  
Saturday



# Houston Pilots: 12/8/21



- Almost daily chances for isolated/scattered precip through Sat, however, chances nor totals look impressive. Best chances for precip will come Saturday with the passing of a cold front. Temperatures expected to be above normal this week.
- The week 2 timeframe is expected to have well above normal temperatures and above normal risks for precip.
- Right now, we are favoring slightly above normal risks for temperatures and near normal to slightly above normal risks for precip for the end of December.